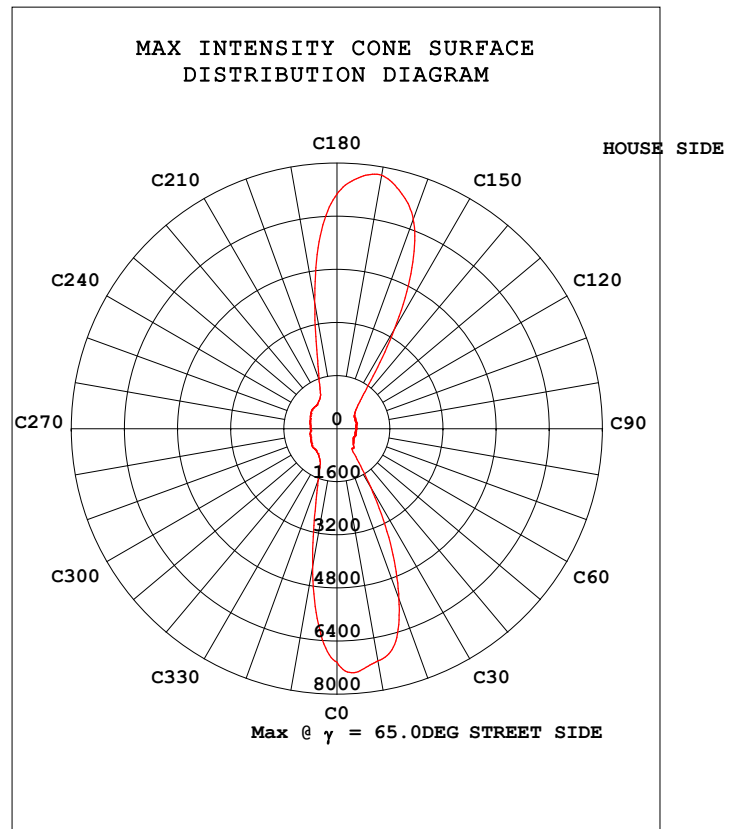
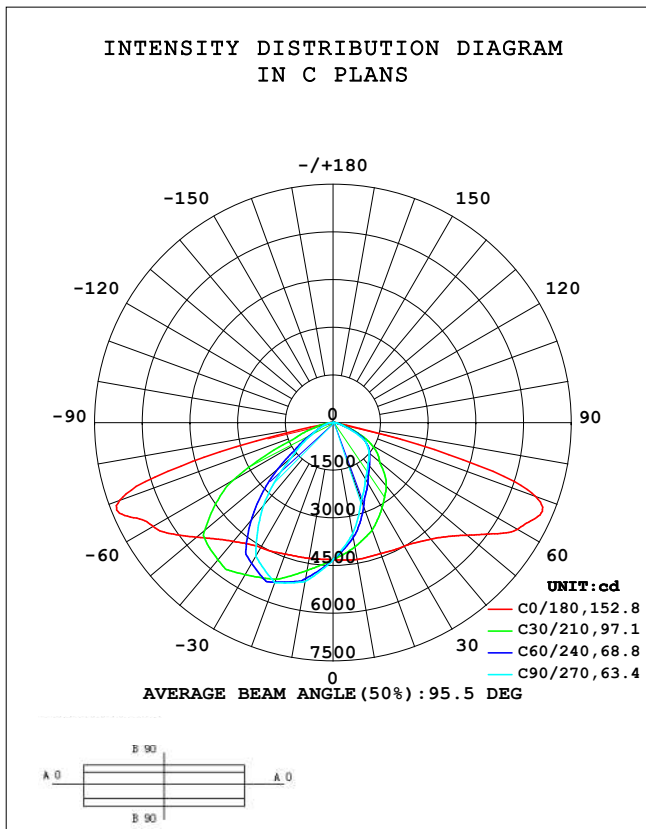


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm					
NAME: OPCITYIII-90W-4070-6C1T2M-0610			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.46X0.236X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.17X0.17		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.91 lm/W			
MODEL	LED	Imax (cd)	7756	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	90	LOR (%)	100.0	$\eta$ street_down (%)	50.1
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14257	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	14256.6	MAXIMUM @ (C, $\gamma$ )	170,65.0	$\eta$ house_down (%)	49.9
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	18.603



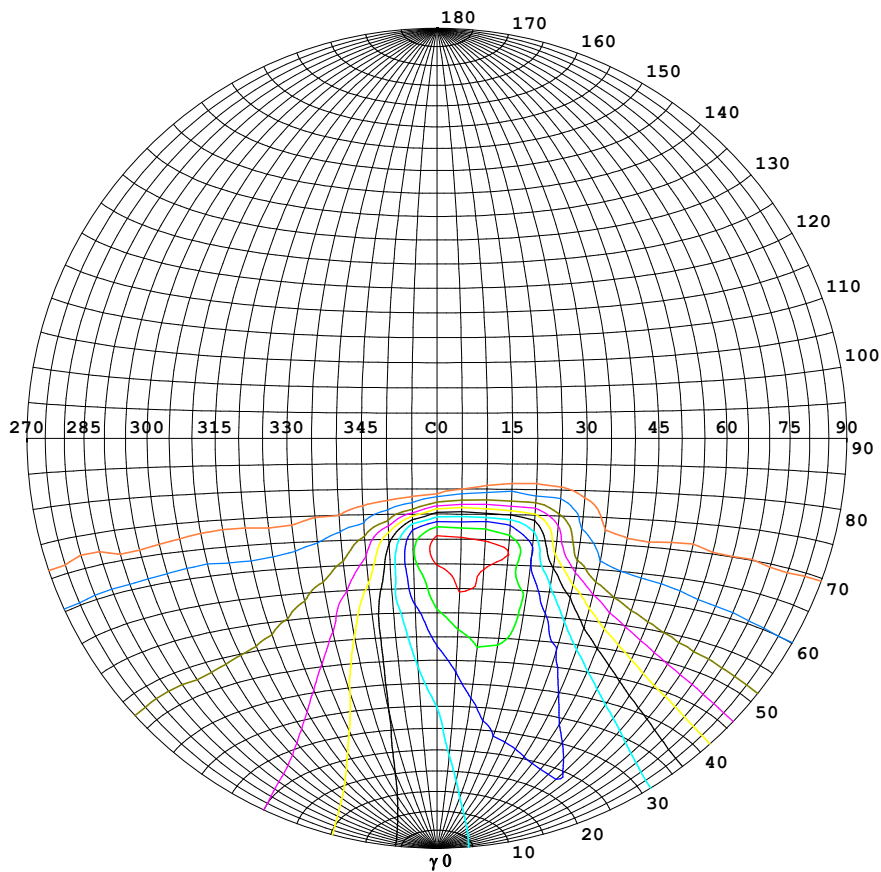
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

Note: SLI:Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



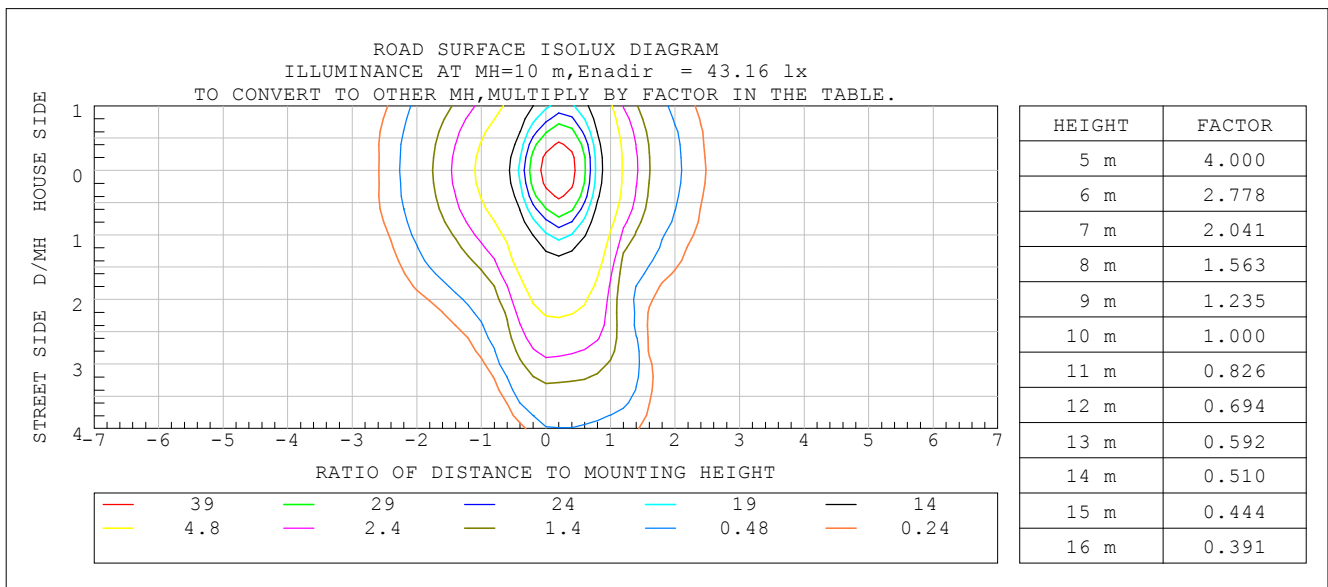
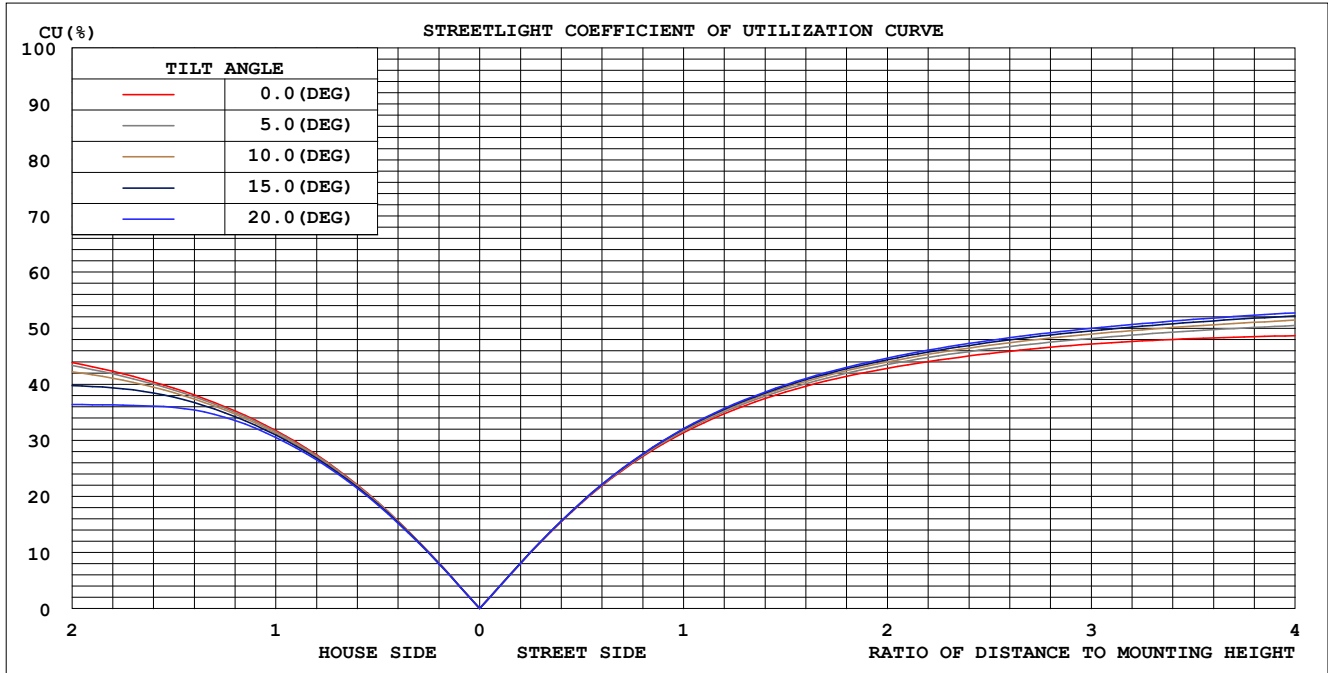
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:58.89cd/klm  
Max.At90:4.306cd/klm  
Max.80-90:58.89cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7756
90%	6980
80%	6205
70%	5429
60%	4654
50%	3878
40%	3102
30%	2327
20%	1551
10%	776
5%	388

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

gamma Range: 0 - 90DEG  
gamma Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

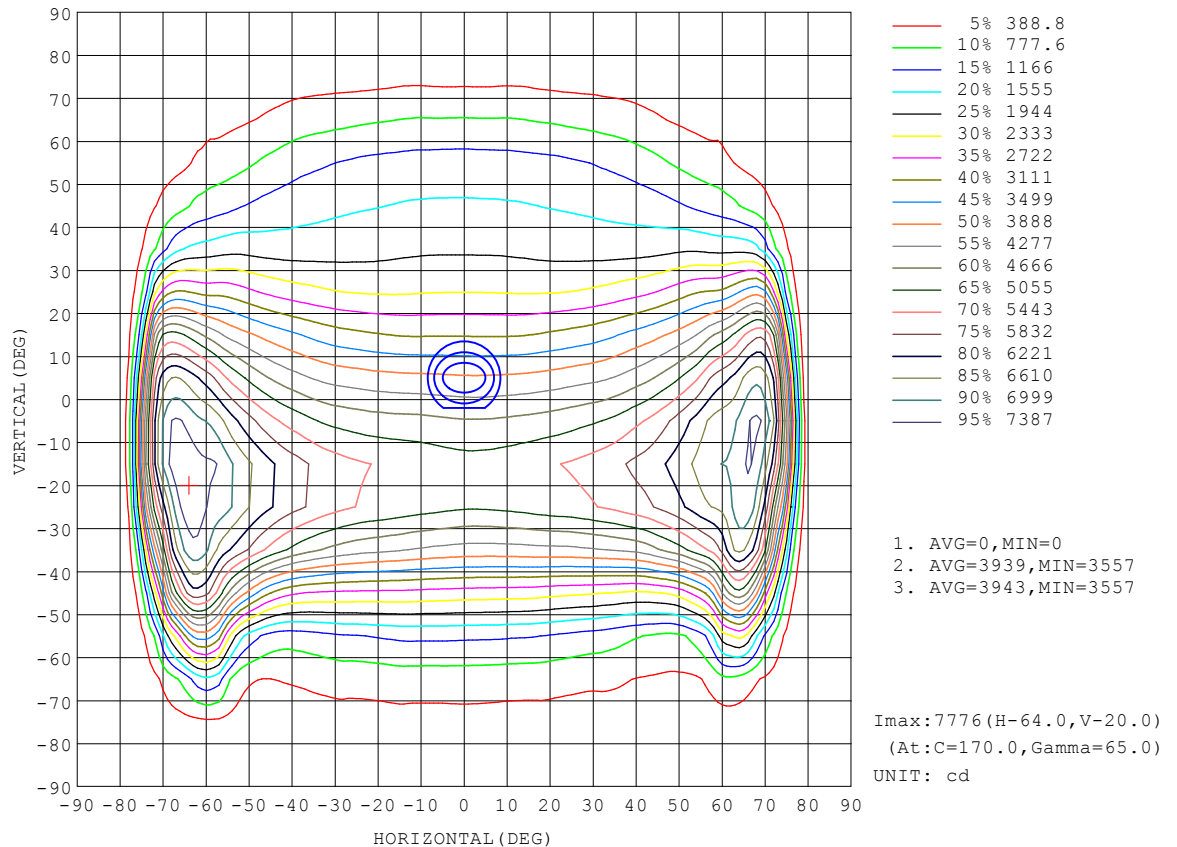
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	4315	4583	4698	4606	4342	4062	3938	4045	0- 5	103.3	103.3	0.72,0.72
10	4337	4873	5080	4918	4373	3804	3561	3784	5- 10	310.0	413.3	2.9,2.9
15	4360	5156	5219	5211	4372	3511	3081	3506	10- 15	513.0	926.3	6.5,6.5
20	4404	5311	5358	5355	4391	3142	2601	3153	15- 20	702.9	1629	11.4,11.4
25	4479	5466	5109	5506	4438	2764	2323	2797	20- 25	877.5	2507	17.6,17.6
30	4543	5438	4861	5501	4490	2473	2045	2509	25- 30	1031	3538	24.8,24.8
35	4661	5244	4136	5353	4602	2203	1880	2224	30- 35	1158	4696	32.9,32.9
40	4881	4962	3411	5154	4792	1905	1715	1912	35- 40	1247	5943	41.7,41.7
45	5183	4195	2551	4517	5073	1754	1605	1760	40- 45	1298	7242	50.8,50.8
50	5610	3330	1690	3834	5514	1572	1495	1576	45- 50	1306	8548	60,60
55	6121	2253	1235	2622	6105	1410	1337	1417	50- 55	1277	9825	68.9,68.9
60	6537	1134	779.9	1322	6709	1230	1180	1223	55- 60	1225	11050	77.5,77.5
65	7032	703.3	575.3	816.0	7072	943.3	803.0	912.6	60- 65	1123	12172	85.4,85.4
70	7141	411.8	370.7	458.1	6778	614.0	426.3	576.4	65- 70	998.8	13171	92.4,92.4
75	4209	277.5	257.4	304.0	3304	305.5	264.5	291.4	70- 75	728.2	13899	97.5,97.5
80	216.4	172.6	144.1	193.6	174.7	166.1	102.8	152.7	75- 80	279.2	14179	99.5,99.5
85	92.86	47.03	0	55.09	66.28	39.89	0	34.11	80- 85	67.23	14246	99.9,99.9
90	61.39	0	0	0	47.84	0	0	0	85- 90	10.78	14257	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-26

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

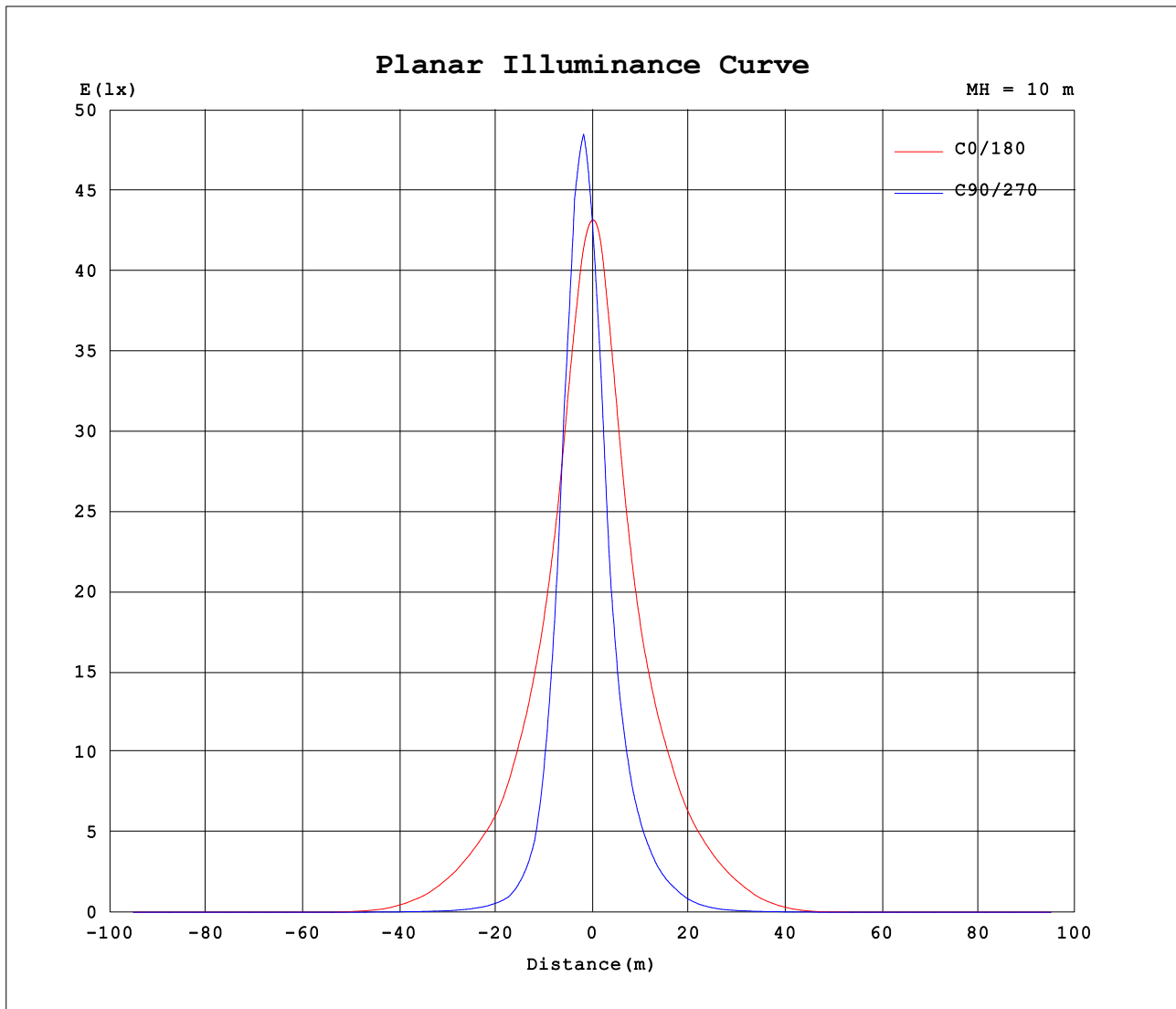
Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



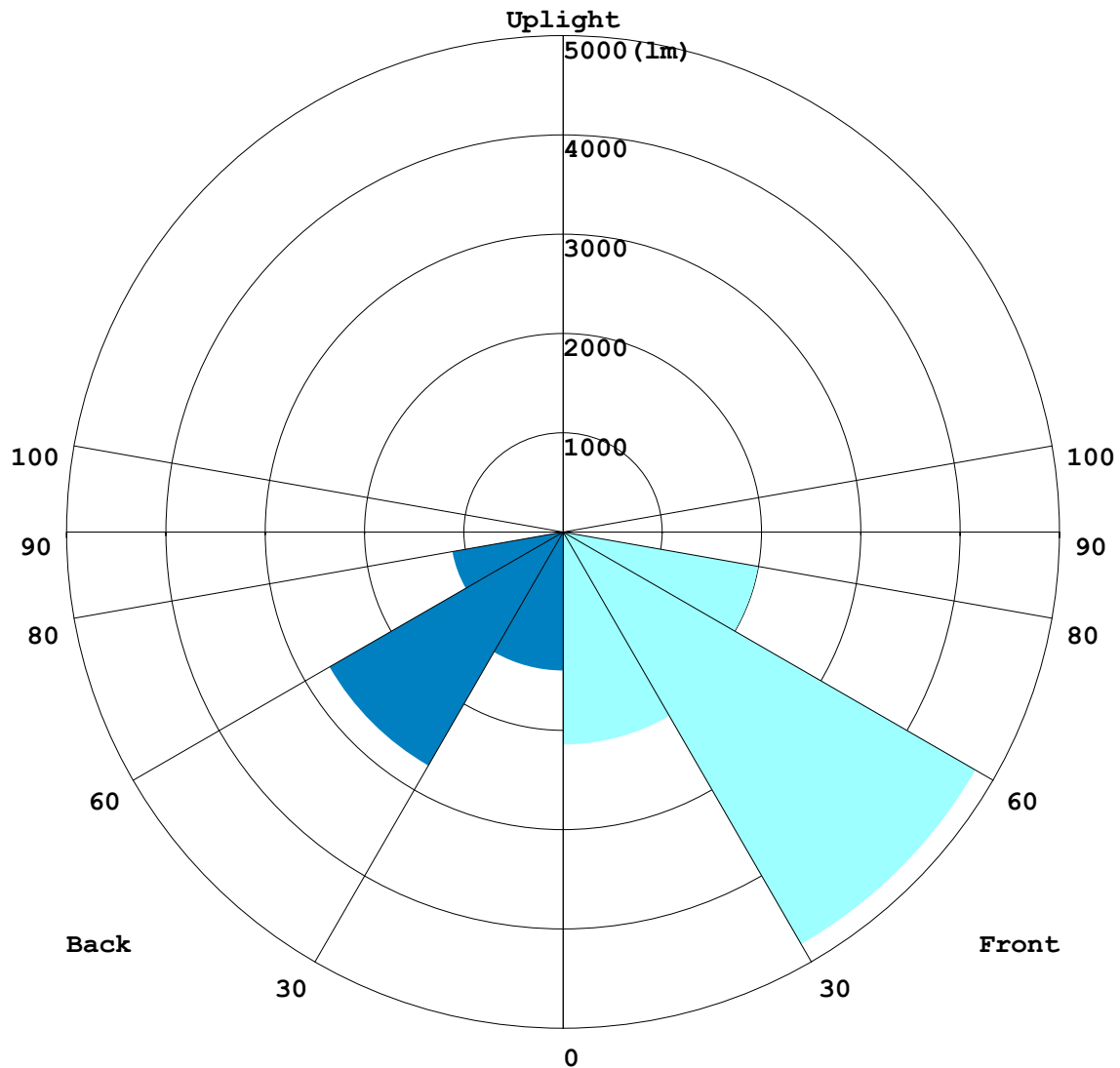
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2142.6	15.0
FM - Front-Medium(30-60)	4795	33.6
FH - Front-High(60-80)	1996.7	14.0
FVH - Front-Very High(80-90)	49.999	0.4
Total Forward Light	8984.3	63.0

BL - Back-Low(0-30)	1395.6	9.8
BM - Back-Medium(30-60)	2716.7	19.1
BH - Back-High(60-80)	1132	7.9
BVH - Back-Very High(80-90)	28.007	0.2
Total Back Light	5272.3	37.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5272.3	0	5272.3
Street Side	8984.3	0	8984.3

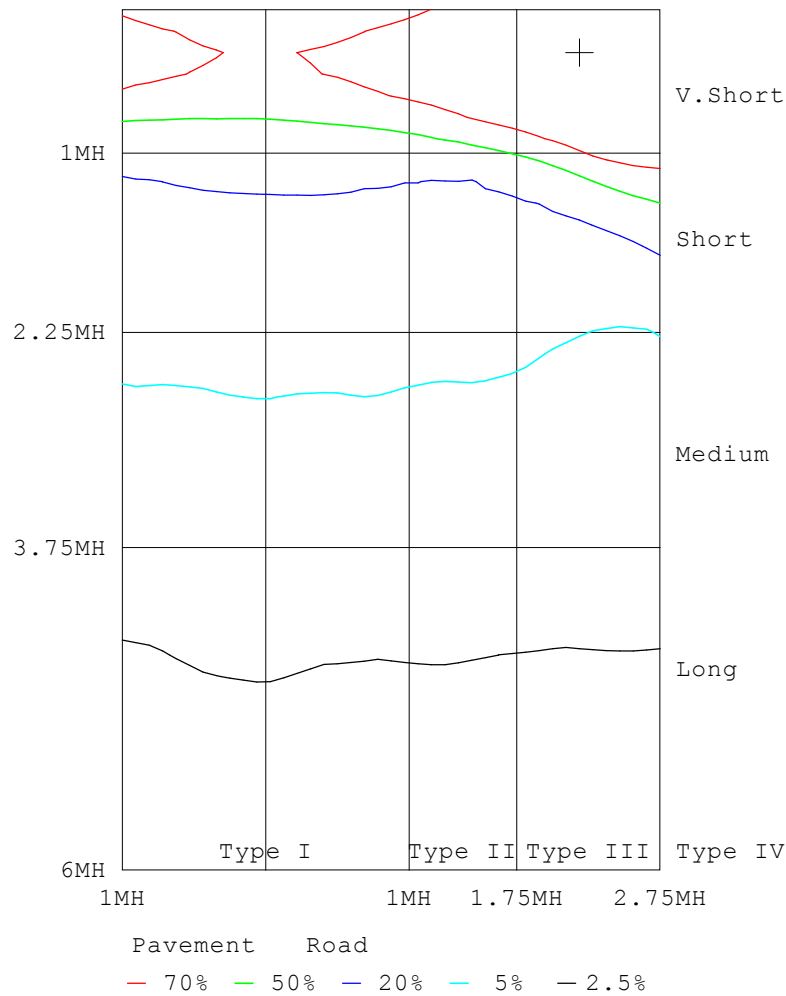
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-26

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.4226A P:91.44W PF:0.9797 Lamp Flux:14256.6x1 lm		
NAME: OPCITYIII-90W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-26

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```